

## WEST Search History





DATE: Tuesday, August 08, 2006

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
	<i>DB=PGPB,USPT,EPAB; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L22	L21 and mercur\$	23
<input type="checkbox"/>	L21	6-thioguanosine or (6 thioguanosine) or (6 thio guanosine)	165
<input type="checkbox"/>	L20	thioguanisine	0
<input type="checkbox"/>	L19	L18 not @ay>2002	24
<input type="checkbox"/>	L18	l16 and mercury	35
<input type="checkbox"/>	L17	L16 and l9	6
<input type="checkbox"/>	L16	thioguanos\$	282
<input type="checkbox"/>	L15	L14 and l9	6
<input type="checkbox"/>	L14	thioguanosine	276
<input type="checkbox"/>	L13	l11 and l4	23
<input type="checkbox"/>	L12	L11 and nitro	40
<input type="checkbox"/>	L11	mercury and l9	90
<input type="checkbox"/>	L10	L9 and l8	0
<input type="checkbox"/>	L9	(536/22.1)! [CCLS]	1724
<input type="checkbox"/>	L8	(bulavin or belova or fornace).in.	33
<input type="checkbox"/>	L7	nitrophenyl and l6	1
<input type="checkbox"/>	L6	L5 and mercury	13
<input type="checkbox"/>	L5	L4.ab.	383
<input type="checkbox"/>	L4	guanosine	12715
<input type="checkbox"/>	L3	L2 and l1	0
<input type="checkbox"/>	L2	("20050037360" "5965362").PN.	2
<input type="checkbox"/>	L1	\$guanosinato	6

END OF SEARCH HISTORY

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 08:58:07 ON 08 AUG 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'CAPLUS' AT 08:58:59 ON 08 AUG 2006  
FILE 'CAPLUS' ENTERED AT 08:58:59 ON 08 AUG 2006  
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	43.62	212.09

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	43.62	212.09

FILE 'REGISTRY' ENTERED AT 08:59:10 ON 08 AUG 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 7 AUG 2006 HIGHEST RN 899508-12-4  
DICTIONARY FILE UPDATES: 7 AUG 2006 HIGHEST RN 899508-12-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

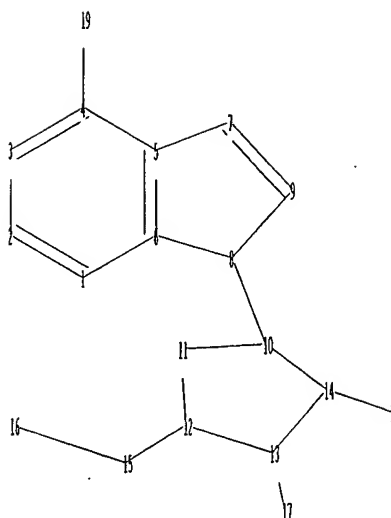
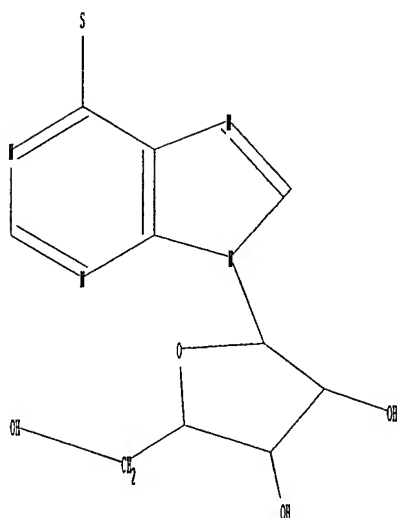
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10800296\_3.str



```

chain nodes :
15 16 17 18 19
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
4-19 8-10 12-15 13-17 14-18 15-16
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-8 7-9 8-9 10-11 10-14 11-12 12-13 13-14

exact/norm bonds :
4-19 5-7 6-8 7-9 8-9 8-10 10-11 10-14 11-12 12-13 13-14 13-17 14-18
exact bonds :
12-15 15-16
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS

```

L7 STRUCTURE UPLOADED

```

=> s 17 sss sam
SAMPLE SEARCH INITIATED 08:59:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 52 TO ITERATE

```

```

100.0% PROCESSED          52 ITERATIONS          18 ANSWERS
SEARCH TIME: 00.00.01

```

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   608 TO   1472
PROJECTED ANSWERS:      106 TO   614

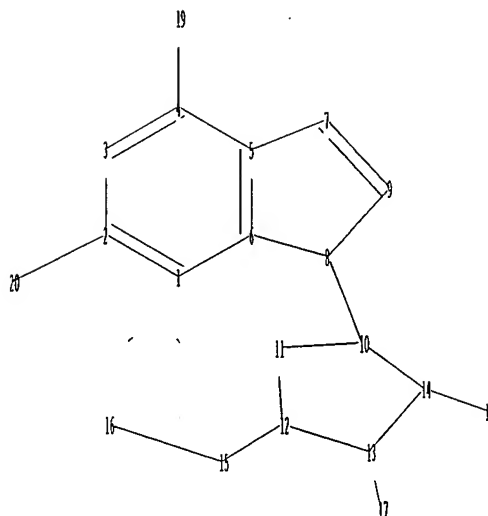
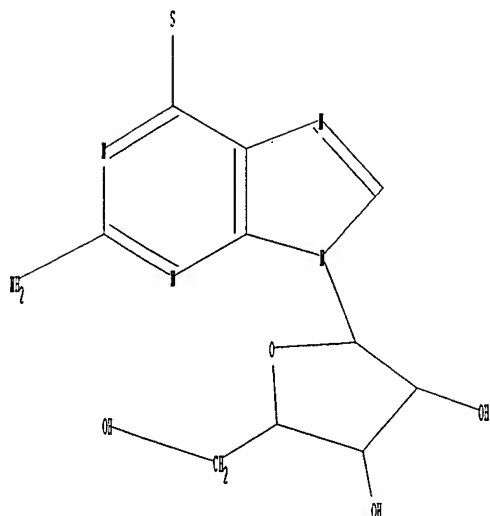
```

L8 18 SEA SSS SAM L7

```

=>
Uploading C:\Program Files\Stnexp\Queries\10800296_4.str

```



```

chain nodes :
15 16 17 18 19 20
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
2-20 4-19 8-10 12-15 13-17 14-18 15-16
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-8 7-9 8-9 10-11 10-14 11-12 12-13 13-14

exact/norm bonds :
2-20 4-19 5-7 6-8 7-9 8-9 8-10 10-11 10-14 11-12 12-13 13-14 13-17
14-18
exact bonds :
12-15 15-16
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS

```

L9 STRUCTURE UPLOADED

=> d 19

L9 HAS NO ANSWERS

L9 STR



for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Aug 2006 VOL 145 ISS 7  
FILE LAST UPDATED: 7 Aug 2006 (20060807/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l11

L12 413 L11

=> s l12 and mercury

170112 MERCURY

14 MERCURIES

170116 MERCURY

(MERCURY OR MERCURIES)

L13 11 L12 AND MERCURY

=> s l13 not py>2002

4166028 PY>2002

L14 9 L13 NOT PY>2002

=> d hitstr 1-9

L14 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

IT 85-31-4

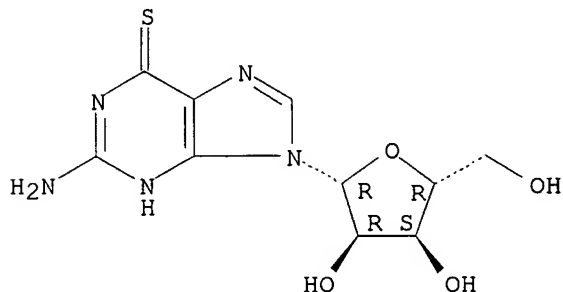
RL: RCT (Reactant); RACT (Reactant or reagent)

((arylmercurio)thio compds. derived from purine and  
pyrazolo[3,4-d]pyrimidine)

RN 85-31-4 CAPLUS

CN Guanosine, 6-thio- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



L14 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

IT 85-31-4, 6-Thioguanosine

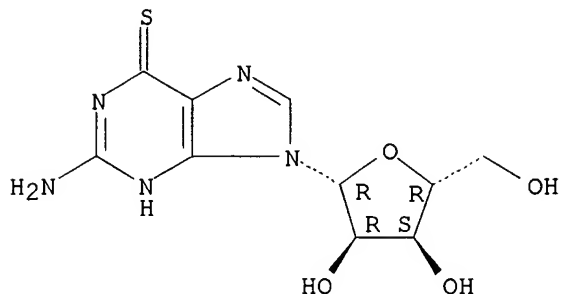
RL: PEP (Physical, engineering or chemical process); PRP (Properties);  
PROC (Process)

(polarog. and coulometry: interaction of thiopurine derivs. with  
mercury electrode)

RN 85-31-4 CAPLUS

CN Guanosine, 6-thio- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



L14 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

IT 85-31-4, 6-Thioguanosine

RL: PEP (Physical, engineering or chemical process); PRP (Properties);

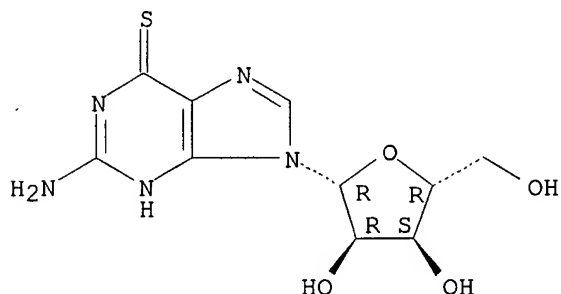
PROC (Process)

(structural and adsorption effects of some thiopurine and  
thiopyrimidine derivs. on their catalytic activity at mercury  
electrode)

RN 85-31-4 CAPLUS

CN Guanosine, 6-thio- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



L14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

IT 85-31-4, 6-Thioguanosine

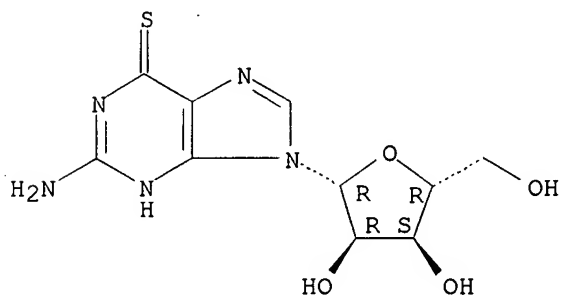
RL: ANT (Analyte); ANST (Analytical study)

(determination of, by stripping voltammetry)

RN 85-31-4 CAPLUS

CN Guanosine, 6-thio- (9CI) (CA INDEX NAME)

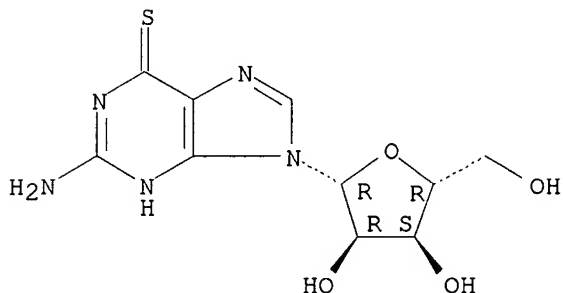
Absolute stereochemistry. Rotation (-).



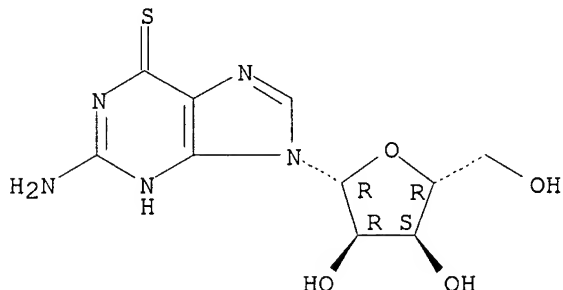
L14 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

IT 85-31-4

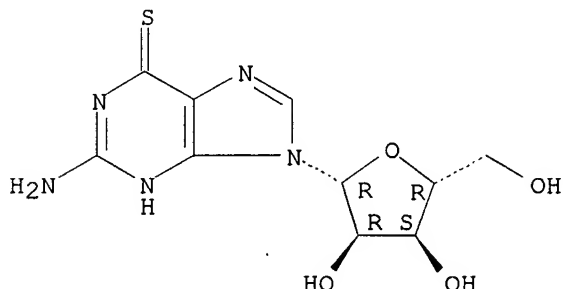
Absolute stereochemistry. Rotation (-).



Absolute stereochemistry. Rotation (-).



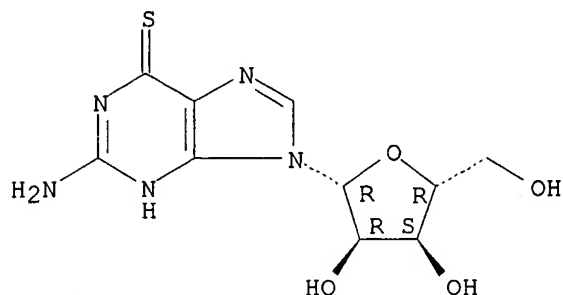
Absolute stereochemistry. Rotation (-).





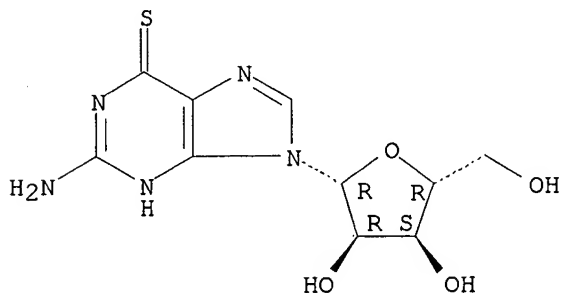
L14 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 85-31-4D, Guanosine, 6-thio-, mercury complexes  
 RL: ANST (Analytical study)  
 (carbon-13 NMR in anal. of, dimethyl sulfoxide solvents in relation to)  
 RN 85-31-4 CAPLUS  
 CN Guanosine, 6-thio- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



L14 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 85-31-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (chelation of, with mercury compds.)  
 RN 85-31-4 CAPLUS  
 CN Guanosine, 6-thio- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



=> d his

(FILE 'HOME' ENTERED AT 08:53:48 ON 08 AUG 2006)

FILE 'REGISTRY' ENTERED AT 08:54:06 ON 08 AUG 2006

L1 STRUCTURE UPLOADED  
 L2 1 S L1 SSS SAM  
 L3 0 S FAM SAM L1  
 L4 21 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:56:18 ON 08 AUG 2006

L5 17 S L4  
 L6 17 S L5 NOT PY>2003

FILE 'REGISTRY' ENTERED AT 08:59:10 ON 08 AUG 2006

L7 STRUCTURE UPLOADED  
 L8 18 S L7 SSS SAM  
 L9 STRUCTURE UPLOADED  
 L10 8 S L9 SSS SAM

L11 97 S L9 SSS FUL

FILE 'CAPLUS' ENTERED AT 09:01:45 ON 08 AUG 2006

L12 413 S L11

L13 11 S L12 AND MERCURY

L14 9 S L13 NOT PY>2002

=> s ?phenyl

809644 ?PHENYL

1284358 PH

9847 PHS

1288643 PH

(PH OR PHS)

L15 1940004 ?PHENYL

(?PHENYL OR PH)

=> s l15 and l14

L16 2 L15 AND L14

=> d kwic

L16 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

TI Interaction of thiopurine derivatives with the mercury electrode

AB The interaction of thiopurine derivs. with the mercury electrode was studied at various pH values by using d.c. polarog., controlled-potential coulometry (CPC) and cyclic voltammetry (CV). The ability of thiopurine derivs. to yield anodic polarog. current arising from the formation of a sparingly soluble mercury compds. is discussed. Parameters affecting the anodic polarog. current were studied. The CV behavior indicates a thin film due to. . .

ST thiopurine deriv interaction mercury electrode; electrooxidn mercury thiopurine present

IT Oxidation, electrochemical

(of mercury in presence of thiopurine and its derivs. with mercuric thiolate formation)

IT 73-24-5, Adenine, properties

RL: PRP (Properties)

(cyclic voltammetry: interaction of thiopurine derivs. with mercury electrode)

IT 94919-41-2

RL: FMU (Formation, unclassified); PRP (Properties); FORM (Formation, nonpreparative)

(electrochem. oxidative formation at mercury electrode in presence of thiopurine)

IT 7439-97-6, Mercury, uses

RL: DEV (Device component use); PRP (Properties); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)

(electrochem. oxidation in presence of thiopurine and its derivs. with mercuric thiolate formation)

IT 50-44-2, 6-Thiopurine 85-31-4, 6-Thioguanosine 154-42-7,

6-Thioguanine 574-25-4, 6-Thiopurine riboside 26001-38-7,

8-Thioguanosine

RL: PEP (Physical, engineering or chemical process); PRP (Properties);

PROC (Process)

(polarog. and coulometry: interaction of thiopurine derivs. with mercury electrode)

=> d his

(FILE 'HOME' ENTERED AT 08:53:48 ON 08 AUG 2006)

FILE 'REGISTRY' ENTERED AT 08:54:06 ON 08 AUG 2006

L1 STRUCTURE UPLOADED

L2 1 S L1 SSS SAM  
L3 0 S FAM SAM L1  
L4 21 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:56:18 ON 08 AUG 2006

L5 17 S L4  
L6 17 S L5 NOT PY>2003

FILE 'REGISTRY' ENTERED AT 08:59:10 ON 08 AUG 2006

L7 STRUCTURE UPLOADED  
L8 18 S L7 SSS SAM  
L9 STRUCTURE UPLOADED  
L10 8 S L9 SSS SAM  
L11 97 S L9 SSS FUL

FILE 'CAPLUS' ENTERED AT 09:01:45 ON 08 AUG 2006

L12 413 S L11  
L13 11 S L12 AND MERCURY  
L14 9 S L13 NOT PY>2002  
L15 1940004 S ?PHENYL  
L16 2 S L15 AND L14

=> d l14 ibib 1-9

L14 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:517003 CAPLUS  
DOCUMENT NUMBER: 134:115499  
TITLE: Analogs of biologically active compounds. VI.  
Synthesis of some (arylmercurio)thio compounds derived  
from purine and pyrazolo[3,4-d]pyrimidine  
AUTHOR(S): Slouka, Jan; Wiedermannova, Iveta; Frebortova, Jitka;  
Hajduch, Marian; Strnad, Miroslav  
CORPORATE SOURCE: Department of Organic Chemistry, Palacky University,  
Olomouc, 771 46, Czech Rep.  
SOURCE: Acta Universitatis Palackianae Olomucensis, Facultas  
Rerum Naturalium, Chemica (1999), 38, 65-70  
CODEN: AUPCFO; ISSN: 0232-0061  
PUBLISHER: Vydavatelstvi Univerzity Palackeho  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 134:115499  
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1996:116242 CAPLUS  
DOCUMENT NUMBER: 124:187853  
TITLE: Interaction of thiopurine derivatives with the  
mercury electrode  
AUTHOR(S): Ahmed, Z. A.; Ahmed, M. E.; Temerk, Y. M.; Ibrahim, M.  
S.; Kamal, M. M.  
CORPORATE SOURCE: Faculty Science, Assiut University, Assiut, Egypt  
SOURCE: Bulletin of the Faculty of Science, Assiut University,  
B: Chemistry (1995), 24(1), 97-109  
CODEN: BFSAE6; ISSN: 1010-2671  
PUBLISHER: Assiut University  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1994:589804 CAPLUS  
DOCUMENT NUMBER: 121:189804  
TITLE: Structural and adsorption effects of some thiopurine  
and thiopyrimidine derivatives on their catalytic

activity at the mercury electrode

AUTHOR(S): Ibrahim, Mohamed Sayed

CORPORATE SOURCE: Faculty of Science, Assiut University, Assiut, 71516, Egypt

SOURCE: Collection of Czechoslovak Chemical Communications (1994), 59(7), 1472-82

CODEN: CCCCAK; ISSN: 0010-0765

DOCUMENT TYPE: Journal

LANGUAGE: English

L14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1994:265122 CAPLUS

DOCUMENT NUMBER: 120:265122

TITLE: Stripping voltammetry with absorption accumulation for trace determination of some thioguanine derivatives

AUTHOR(S): Ahmed, Z. A.; Ahmed, M. E.; Ibrahim, M. S.; Kamal, M. M.; Temerk, Y. M.

CORPORATE SOURCE: Fac. Sci., Assiut Univ., Assiut, Egypt

SOURCE: Analusis (1994), 22(2), 82-6

CODEN: ANLSCY; ISSN: 0365-4877

DOCUMENT TYPE: Journal

LANGUAGE: English

L14 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1985:41709 CAPLUS

DOCUMENT NUMBER: 102:41709

TITLE: Metal ion-biomolecule interactions. Part IX. Metal Ion-C5 binding in a pyrimidine nucleoside. Ready formation of C5HgN and C5HgS bonds

AUTHOR(S): Norris, A. R.; Kumar, R.

CORPORATE SOURCE: Dep. Chem., Queen's Univ., Kingston, ON, K7L 3N6, Can.

SOURCE: Inorganica Chimica Acta (1984), 93(1), 33-5

CODEN: ICHAA3; ISSN: 0020-1693

DOCUMENT TYPE: Journal

LANGUAGE: English

L14 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1978:402778 CAPLUS

DOCUMENT NUMBER: 89:2778

TITLE: Tetrakis(acetoxymercuri)methane: A polymetallic reagent for labeling sulfur in nucleic acids

AUTHOR(S): Strothkamp, K. G.; Lehmann, J.; Lippard, S. J.

CORPORATE SOURCE: Dep. Chem., Columbia Univ., New York, NY, USA

SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1978), 75(3), 1181-4

CODEN: PNASA6; ISSN: 0027-8424

DOCUMENT TYPE: Journal

LANGUAGE: English

L14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1977:525112 CAPLUS

DOCUMENT NUMBER: 87:125112

TITLE: Irreversible laser damage in IR detector materials

AUTHOR(S): Bartoli, F.; Esterowitz, L.; Kruer, M.; Allen, R.

CORPORATE SOURCE: Nav. Res. Lab., Washington, DC, USA

SOURCE: Opt. Phenom. Infrared Mater., Dig. Tech. Pap. Top. Meet. (1977), Meeting Date 1976, ThF2, 3 pp.. Opt. Soc. Am.: Washington, D. C.

CODEN: 36GRAU

DOCUMENT TYPE: Conference

LANGUAGE: English

L14 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1975:574995 CAPLUS

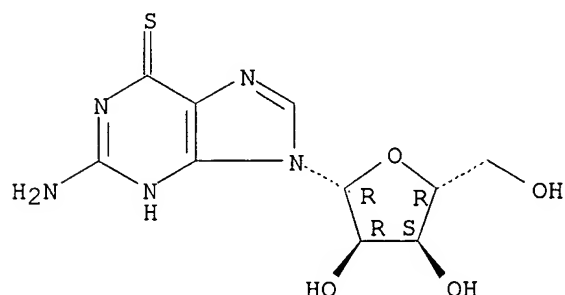
DOCUMENT NUMBER: 83:174995  
 TITLE: Carbon-13 magnetic resonance investigation of mercury(II) binding to nucleosides and thiolated nucleosides in dimethyl sulfoxide  
 AUTHOR(S): Jennette, K. W.; Lippard, S. J.; Ucko, David A.  
 CORPORATE SOURCE: Dep. Chem., Columbia Univ., New York, NY, USA  
 SOURCE: Biochimica et Biophysica Acta, Nucleic Acids and Protein Synthesis (1975), 402(3), 403-12  
 CODEN: BBNPAS; ISSN: 0005-2787  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L14 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1973:58722 CAPLUS  
 DOCUMENT NUMBER: 78:58722  
 TITLE: Metal binding by thionucleosides  
 AUTHOR(S): Heitner, H. I.; Lippard, S. J.; Sunshine, H. R.  
 CORPORATE SOURCE: Dep. Chem., Columbia Univ., New York, NY, USA  
 SOURCE: Journal of the American Chemical Society (1972), 94(25), 8936-7  
 CODEN: JACSAT; ISSN: 0002-7863  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

=> d l14 kwic hitstr 1

L14 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 50-44-2 62-38-4, Acetatophenylmercury 85-31-4 154-42-7  
 1600-27-7, Mercury diacetate 5334-23-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 ((arylmercurio)thio compds. derived from purine and pyrazolo[3,4-d]pyrimidine)  
 IT 85-31-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 ((arylmercurio)thio compds. derived from purine and pyrazolo[3,4-d]pyrimidine)  
 RN 85-31-4 CAPLUS  
 CN Guanosine, 6-thio- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

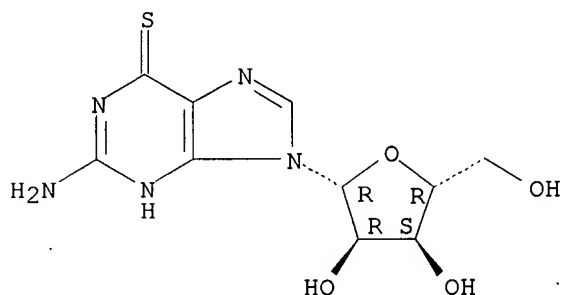


=> d l14 ibib kwic hitstr 1

L14 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2000:517003 CAPLUS  
 DOCUMENT NUMBER: 134:115499  
 TITLE: Analogs of biologically active compounds. VI. Synthesis of some (arylmercurio)thio compounds derived from purine and pyrazolo[3,4-d]pyrimidine

AUTHOR(S): Slouka, Jan; Wiedermannova, Iveta; Frebortova, Jitka;  
 Hajduch, Marian; Strnad, Miroslav  
 CORPORATE SOURCE: Department of Organic Chemistry, Palacky University,  
 Olomouc, 771 46, Czech Rep.  
 SOURCE: Acta Universitatis Palackianae Olomucensis, Facultas  
 Rerum Naturalium, Chemica (1999), 38, 65-70  
 CODEN: AUPCFO; ISSN: 0232-0061  
 PUBLISHER: Vydavatelstvi Univerzity Palackeho  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 134:115499  
 IT 50-44-2 62-38-4, Acetatophenylmercury 85-31-4 154-42-7  
 1600-27-7, Mercury diacetate 5334-23-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 ((arylmercurio)thio compds. derived from purine and  
 pyrazolo[3,4-d]pyrimidine)  
 IT 85-31-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 ((arylmercurio)thio compds. derived from purine and  
 pyrazolo[3,4-d]pyrimidine)  
 RN 85-31-4 CAPLUS  
 CN Guanosine, 6-thio- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	49.59	429.94
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

STN INTERNATIONAL LOGOFF AT 09:06:27 ON 08 AUG 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 5 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 6 MAY 11 KOREAPAT updates resume  
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2  
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 14 JUL 14 FSTA enhanced with Japanese patents  
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 09:12:16 ON 08 AUG 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 09:12:30 ON 08 AUG 2006

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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 7 AUG 2006 HIGHEST RN 899508-12-4  
DICTIONARY FILE UPDATES: 7 AUG 2006 HIGHEST RN 899508-12-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.44	0.65

FILE 'CAPLUS' ENTERED AT 09:12:35 ON 08 AUG 2006  
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FILE COVERS 1907 - 8 Aug 2006 VOL 145 ISS 7  
FILE LAST UPDATED: 7 Aug 2006 (20060807/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 63468-53-1

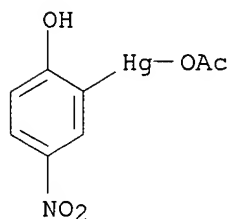
REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.



=> d hitstr

L2 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 63468-53-1, Phenol, 2-(acetoxymercuri)-4-nitro-  
(preparation of)  
RN 63468-53-1 CAPLUS  
CN Mercury, (acetato-κO)(2-hydroxy-5-nitrophenyl)- (9CI) (CA INDEX  
NAME)



=> d ibib 1-3

L2 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1954:21706 CAPLUS  
DOCUMENT NUMBER: 48:21706  
ORIGINAL REFERENCE NO.: 48:3916d-g  
TITLE: Preparation of antibacterials from organo-mercurials.  
V. Mercurated phenols  
AUTHOR(S): Guha-Sircar, S. S.; Rout, Mahendra Kumar  
CORPORATE SOURCE: Ravenshaw Coll., Cuttack  
SOURCE: J. Indian Chem. Soc. (1952), 29, 769-72  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1936:31640 CAPLUS  
DOCUMENT NUMBER: 30:31640  
ORIGINAL REFERENCE NO.: 30:4157h-i,4158a  
TITLE: Mercury acetamide as a mercurating agent. II.  
Mercuration of phenols  
AUTHOR(S): Naik, Kuverji Gosai; Mehta, Bansidhar Vithaldas  
SOURCE: J. Indian Chem. Soc. (1935), 12, 783-7  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

L2 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1922:9092 CAPLUS  
DOCUMENT NUMBER: 16:9092  
ORIGINAL REFERENCE NO.: 16:1571c-i  
TITLE: Organic nitro compounds containing mercury  
AUTHOR(S): Raiziss, G. W.; Prouskouriakoff, A.  
SOURCE: Journal of the American Chemical Society (1922), 44,  
787-93  
CODEN: JACSAT; ISSN: 0002-7863  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.58	11.13

STN INTERNATIONAL LOGOFF AT 09:15:22 ON 08 AUG 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1	Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	"Ask CAS" for self-help around the clock
NEWS 3 FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 4 APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS 5 MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
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NEWS 7 MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS 8 MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS 9 MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS 10 JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 11 JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 12 JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13 JUL 11	CHEMSAFE reloaded and enhanced
NEWS 14 JUL 14	FSTA enhanced with Japanese patents
NEWS 15 JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS EXPRESS	JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 09:35:11 ON 08 AUG 2006

=> file casreact

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CASREACT' ENTERED AT 09:35:25 ON 08 AUG 2006

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FILE CONTENT:1840 - 6 Aug 2006 VOL 145 ISS 6

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\*\*\*\*\*  
\*  
\* CASREACT now has more than 10 million reactions \*  
\*  
\*\*\*\*\*

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 85-31-4

L1 12 85-31-4

=> s 63468-53-1

L2 0 63468-53-1

=> s marpat

L3 0 MARPAT  
0 MARPAT

=> file marpat

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.70	15.91

FILE 'MARPAT' ENTERED AT 09:36:27 ON 08 AUG 2006

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FILE CONTENT: 1961-PRESENT VOL 145 ISS 6 (20060804/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US	2006135764	22 JUN 2006
DE	102004056104	24 MAY 2006
EP	1674464	28 JUN 2006
JP	2006143645	08 JUN 2006
WO	2006058720	08 JUN 2006
GB	2421183	21 JUN 2006
FR	2877945	19 MAY 2006
RU	2276150	10 MAY 2006
CA	2488034	19 MAY 2006

Expanded G-group definition display now available.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

=> s 85-31-4

L4 0 85-31-4

=> s 519040-76-7/rn

'RN' IS NOT A VALID FIELD CODE

L5 0 519040-76-7/RN

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.74

18.65

FILE 'CAPLUS' ENTERED AT 09:37:56 ON 08 AUG 2006

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FILE COVERS 1907 - 8 Aug 2006 VOL 145 ISS 7

FILE LAST UPDATED: 7 Aug 2006 (20060807/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 85-31-4

REG1STRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L7 266 L6

=> s 63468-53-1/rn  
3 63468-53-1  
0 63468-53-1D  
L8 3 63468-53-1/RN  
(63468-53-1 (NOTL) 63468-53-1D )

=> s nitrophenyl  
60709 NITROPHENYL  
17 NITROPHENYLS  
L9 60718 NITROPHENYL  
(NITROPHENYL OR NITROPHENYLS)

=> s 19 and 17  
L10 2 L9 AND L7

=> d ibib 1-2

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2003:689629 CAPLUS  
DOCUMENT NUMBER: 139:381696  
TITLE: Synthesis of S6-(2,4-dinitrophenyl)-6-thioguanosine  
phosphoramidite and its incorporation into  
oligoribonucleotides  
AUTHOR(S): Zheng, Qinguo; Wang, Yang; Lattmann, Eric  
CORPORATE SOURCE: School of Life & Health Sciences, Aston University,  
Birmingham, B4 7ET, UK  
SOURCE: Bioorganic & Medicinal Chemistry Letters (2003),  
13(19), 3141-3144  
CODEN: BMCLE8; ISSN: 0960-894X  
PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 139:381696  
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1965:68327 CAPLUS  
DOCUMENT NUMBER: 62:68327  
ORIGINAL REFERENCE NO.: 62:12179f-h,12180a  
TITLE: Bacterial synthesis of nucleotides. V. Acceptor  
specificity of nucleoside phosphotransferase. 1.  
Phosphorylation of ribonucleosides  
AUTHOR(S): Mitsugi, Koji; Kamimura, Akira; Nakazawa, Eiji;  
Okumura, Shinji  
CORPORATE SOURCE: Ajinomoto Co., Kawasaki, Japan  
SOURCE: Agr. Biol. Chem. (Tokyo) (1964), 28(12), 828-37  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

=> d ibib abs 1

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2003:689629 CAPLUS  
DOCUMENT NUMBER: 139:381696  
TITLE: Synthesis of S6-(2,4-dinitrophenyl)-6-thioguanosine  
phosphoramidite and its incorporation into  
oligoribonucleotides

AUTHOR(S): Zheng, Qinguo; Wang, Yang; Lattmann, Eric  
CORPORATE SOURCE: School of Life & Health Sciences, Aston University,  
Birmingham, B4 7ET, UK  
SOURCE: Bioorganic & Medicinal Chemistry Letters (2003),  
13(19), 3141-3144  
CODEN: BMCLE8; ISSN: 0960-894X  
PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 139:381696  
AB The preparation of N2-phenoxyacetyl-S6-(2,4-dinitrophenyl)-6-thioguanosine  
phosphoramidite and its subsequent incorporation into oligoribonucleotides  
is described. The identity of the oligonucleotides was confirmed by UV  
spectrophotometry and nucleoside composition anal.  
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s mercury  
170112 MERCURY  
14 MERCURIES  
L11 170116 MERCURY  
(MERCURY OR MERCURIES)

=> d his

(FILE 'HOME' ENTERED AT 09:35:11 ON 08 AUG 2006)

FILE 'CASREACT' ENTERED AT 09:35:25 ON 08 AUG 2006

L1 12 S 85-31-4  
L2 0 S 63468-53-1  
L3 0 S MARPAT

FILE 'MARPAT' ENTERED AT 09:36:27 ON 08 AUG 2006

L4 0 S 85-31-4  
L5 0 S 519040-76-7/RN

FILE 'CAPLUS' ENTERED AT 09:37:56 ON 08 AUG 2006  
S 85-31-4/REG#

FILE 'REGISTRY' ENTERED AT 09:38:01 ON 08 AUG 2006

L6 1 S 85-31-4/RN

FILE 'CAPLUS' ENTERED AT 09:38:01 ON 08 AUG 2006

L7 266 S L6  
L8 3 S 63468-53-1/RN  
L9 60718 S NITROPHENYL  
L10 2 S L9 AND L7  
L11 170116 S MERCURY

=> s l11 (1) 17  
L12 5 L11 (L) L7

=> d ibib 1-5

L12 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:40547 CAPLUS

DOCUMENT NUMBER: 142:286902

TITLE: Self-assembly of 6-thioguanine and 6-thioguanosine  
monolayers on the mercury electrode: effects of oxygen  
and applied potential

AUTHOR(S): Gonzalez Arias, Zoraida; Muniz Alvarez, Jesus Luis;  
Lopez Fonseca, Juan Miguel

CORPORATE SOURCE: Departamento de Quimica Fisica y Analitica,

SOURCE: Universidad de Oviedo, Asturias, E-33071, Spain  
Journal of Electroanalytical Chemistry (2005), 575(2),  
243-248  
CODEN: JECHES  
PUBLISHER: Elsevier B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1996:116242 CAPLUS  
DOCUMENT NUMBER: 124:187853  
TITLE: Interaction of thiopurine derivatives with the mercury  
electrode  
AUTHOR(S): Ahmed, Z. A.; Ahmed, M. E.; Temerk, Y. M.; Ibrahim, M.  
S.; Kamal, M. M.  
CORPORATE SOURCE: Faculty Science, Assiut University, Assiut, Egypt  
SOURCE: Bulletin of the Faculty of Science, Assiut University,  
B: Chemistry (1995), 24(1), 97-109  
CODEN: BFSAE6; ISSN: 1010-2671  
PUBLISHER: Assiut University  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1994:589804 CAPLUS  
DOCUMENT NUMBER: 121:189804  
TITLE: Structural and adsorption effects of some thiopurine  
and thiopyrimidine derivatives on their catalytic  
activity at the mercury electrode  
AUTHOR(S): Ibrahim, Mohamed Sayed  
CORPORATE SOURCE: Faculty of Science, Assiut University, Assiut, 71516,  
Egypt  
SOURCE: Collection of Czechoslovak Chemical Communications  
(1994), 59(7), 1472-82  
CODEN: CCCCAK; ISSN: 0010-0765  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1975:574995 CAPLUS  
DOCUMENT NUMBER: 83:174995  
TITLE: Carbon-13 magnetic resonance investigation of  
mercury(II) binding to nucleosides and thiolated  
nucleosides in dimethyl sulfoxide  
AUTHOR(S): Jennette, K. W.; Lippard, S. J.; Ucko, David A.  
CORPORATE SOURCE: Dep. Chem., Columbia Univ., New York, NY, USA  
SOURCE: Biochimica et Biophysica Acta, Nucleic Acids and  
Protein Synthesis (1975), 402(3), 403-12  
CODEN: BBNPAS; ISSN: 0005-2787  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1973:58722 CAPLUS  
DOCUMENT NUMBER: 78:58722  
TITLE: Metal binding by thionucleosides  
AUTHOR(S): Heitner, H. I.; Lippard, S. J.; Sunshine, H. R.  
CORPORATE SOURCE: Dep. Chem., Columbia Univ., New York, NY, USA  
SOURCE: Journal of the American Chemical Society (1972),  
94(25), 8936-7  
CODEN: JACSAT; ISSN: 0002-7863  
DOCUMENT TYPE: Journal

LANGUAGE: English

=> d his

(FILE 'HOME' ENTERED AT 09:35:11 ON 08 AUG 2006)

FILE 'CASREACT' ENTERED AT 09:35:25 ON 08 AUG 2006

L1 12 S 85-31-4  
L2 0 S 63468-53-1  
L3 0 S MARPAT

FILE 'MARPAT' ENTERED AT 09:36:27 ON 08 AUG 2006

L4 0 S 85-31-4  
L5 0 S 519040-76-7/RN

FILE 'CAPLUS' ENTERED AT 09:37:56 ON 08 AUG 2006  
S 85-31-4/REG#

FILE 'REGISTRY' ENTERED AT 09:38:01 ON 08 AUG 2006

L6 1 S 85-31-4/RN

FILE 'CAPLUS' ENTERED AT 09:38:01 ON 08 AUG 2006

L7 266 S L6  
L8 3 S 63468-53-1/RN  
L9 60718 S NITROPHENYL  
L10 2 S L9 AND L7  
L11 170116 S MERCURY  
L12 5 S L11 (L) L7

=> s 17/thu

FIELD CODES CANNOT BE CHANGED HERE

You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> s 16/thu

266 L6  
799008 THU/RL  
L13 27 L6/THU  
(L6 (L) THU/RL)

=> s 113 not py>2002

4166028 PY>2002  
L14 20 L13 NOT PY>2002

=> d ibib 1-20

L14 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:897508 CAPLUS

DOCUMENT NUMBER: 138:362288

TITLE: Guanosine nucleotides inhibit different syndromes of PTHrP excess caused by human cancers in vivo

AUTHOR(S): Gallwitz, Wolfgang E.; Guise, Theresa A.; Mundy, Gregory R.

CORPORATE SOURCE: OsteoScreen Ltd., San Antonio, TX, 78229, USA

SOURCE: Journal of Clinical Investigation (2002), 110(10), 1559-1572

CODEN: JCINAO; ISSN: 0021-9738

PUBLISHER: American Society for Clinical Investigation

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



L14 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2002:15278 CAPLUS  
 DOCUMENT NUMBER: 136:350086  
 TITLE: HPLC determination of thiopurine nucleosides and nucleotides in vivo in lymphoblasts following mercaptopurine therapy  
 AUTHOR(S): Dervieux, Thierry; Chu, Yaqin; Su, Yi; Pui, Ching-Hon; Evans, William E.; Relling, Mary V.  
 CORPORATE SOURCE: Department of Pharmaceutical Sciences, St. Jude Children's Research Hospital, Memphis, TN, 38105, USA  
 SOURCE: Clinical Chemistry (Washington, DC, United States) (2002), 48(1), 61-68  
 CODEN: CLCHAU; ISSN: 0009-9147  
 PUBLISHER: American Association for Clinical Chemistry  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2000:279420 CAPLUS  
 DOCUMENT NUMBER: 133:171908  
 TITLE: Cytosine arabinoside (ara-C) resistance confers cross-resistance or collateral sensitivity to other classes of anti-leukemic drugs  
 AUTHOR(S): Martin-Aragon, Sagrario; Mukherjee, Suman K.; Taylor, Barbara J.; Ivy, S. Percy; Fu, Cecilia H.; Ardi, Veronica C.; Avramis, Vassilios I.  
 CORPORATE SOURCE: Division of Hematology/Oncology, Developmental Therapeutics, Department of Pediatrics, USC School of Medicine, Childrens Hospital Los Angeles, Los Angeles, CA, 90027, USA  
 SOURCE: Anticancer Research (2000), 20(1A), 139-150  
 CODEN: ANTRD4; ISSN: 0250-7005  
 PUBLISHER: International Institute of Anticancer Research  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1998:441960 CAPLUS  
 DOCUMENT NUMBER: 129:109311  
 TITLE: Preparation of nucleoside uronamides as A3 adenosine receptor agonists  
 INVENTOR(S): Jacobson, Kenneth A.; Gallo-Rodriguez, Carola; Van Galen, Philip J. M.; Von Lubitz, Dag K. J. E.; Jeong, Heaok Kim  
 PATENT ASSIGNEE(S): United States Dept. of Health and Human Services, USA  
 SOURCE: U.S., 54 pp., Cont.-in-part of U. S. Ser. No. 163,324, abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5773423	A	19980630	US 1994-274628	19940713
US 5688774	A	19971118	US 1995-396111	19950228
PRIORITY APPLN. INFO.:			US 1993-91109	B2 19930713
			US 1993-163324	B2 19931206

OTHER SOURCE(S): MARPAT 129:109311  
 REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1998:200660 CAPLUS  
 DOCUMENT NUMBER: 128:265766  
 TITLE: Role of chemotherapeutic antagonism in opportunistic  
 infections  
 AUTHOR(S): Castelli, Mario; Baggio, Giosue; Ruberto, Antonio  
 Ippazio; Malagoli, Monica; Casolari, Chiara; Rossi,  
 Tiziana; Galatulas, Iraklis  
 CORPORATE SOURCE: Department of Biomedical Sciences, Section of  
 Pharmacology, University of Modena, Modena, 41100,  
 Italy  
 SOURCE: Anticancer Research (1997), 17(6D), 4339-4344  
 CODEN: ANTRD4; ISSN: 0250-7005  
 PUBLISHER: Anticancer Research  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1997:576691 CAPLUS  
 DOCUMENT NUMBER: 127:243272  
 TITLE: Method and composition using purines and other  
 compounds for inhibiting cellular irreversible changes  
 due to stress  
 INVENTOR(S): Miller, Guy; Lou, Lillian; Nakamura, John  
 PATENT ASSIGNEE(S): Galileo Laboratories, Inc., USA  
 SOURCE: PCT Int. Appl., 31 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9730713	A1	19970828	WO 1997-US2945	19970220
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5801159	A	19980901	US 1996-607022	19960223
CA 2247461	AA	19970828	CA 1997-2247461	19970220
AU 9719749	A1	19970910	AU 1997-19749	19970220
EP 935466	A1	19990818	EP 1997-907855	19970220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000506834	T2	20000606	JP 1997-530408	19970220
NO 9803823	A	19981001	NO 1998-3823	19980820
PRIORITY APPLN. INFO.:			US 1996-607022	A 19960223
			WO 1997-US2945	W 19970220

OTHER SOURCE(S): MARPAT 127:243272

L14 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1995:687096 CAPLUS

DOCUMENT NUMBER: 123:93322  
 TITLE: Polymeric carriers for non-covalent drug conjugation  
 INVENTOR(S): Gustavson, Linda M.; Anderson, David C.; Morgan, Alton C., Jr.  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S., 18 pp. Cont.-in-part of U.S. 5, 252, 713.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5420105	A	19950530	US 1993-95515	19930726
US 5252713	A	19931012	US 1988-248456	19880923
CA 2167574	AA	19950202	CA 1994-2167574	19940712
WO 9503064	A1	19950202	WO 1994-US7734	19940712
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 713395	A1	19960529	EP 1994-923410	19940712
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
PRIORITY APPLN. INFO.:			US 1988-248456	A2 19880923
			US 1993-95515	A 19930726
			WO 1994-US7734	W 19940712

L14 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1995:435900 CAPLUS  
 DOCUMENT NUMBER: 122:197024  
 TITLE: Polymeric carriers for noncovalent drug conjugation  
 INVENTOR(S): Gustavson, Linda M.; Anderson, David C.; Morgan, Alton C., Jr.  
 PATENT ASSIGNEE(S): Neorx Corp., USA  
 SOURCE: PCT Int. Appl., 62 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9503064	A1	19950202	WO 1994-US7734	19940712
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5420105	A	19950530	US 1993-95515	19930726
CA 2167574	AA	19950202	CA 1994-2167574	19940712
EP 713395	A1	19960529	EP 1994-923410	19940712
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
PRIORITY APPLN. INFO.:			US 1993-95515	A 19930726
			US 1988-248456	A2 19880923
			WO 1994-US7734	W 19940712

L14 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1995:234213 CAPLUS  
 DOCUMENT NUMBER: 122:49320  
 TITLE: The investigation of structural transitions and energy transfer in DNA solution in range 4.2-273 K using 6-thioguanine  
 AUTHOR(S): Rubin, Yu. V.; Blagoy, Yu. P.; Bokovoy, V. A.; Leontiev, V. S.; Lee, R. G.  
 CORPORATE SOURCE: Institute Low Temperature Physics Engineering, Ukrainian Academy Sciences, Kharkov, 310164, Ukraine  
 SOURCE: International Journal of Quantum Chemistry, Quantum

Biology Symposium (1994), 21(Proceedings of the  
International Symposium on the Application of  
Fundamental Theory to Problems of Biology and  
Pharmacology, 1994), 187-94  
CODEN: IJQBDZ; ISSN: 0360-8832

PUBLISHER: Wiley  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1990:544908 CAPLUS  
DOCUMENT NUMBER: 113:144908  
TITLE: Inhibition of hepatitis A virus replication in vitro  
by antiviral compounds  
AUTHOR(S): Crance, J. M.; Biziagos, E.; Passagot, J.; Van  
Cuyck-Gandre, H.; Deloince, R.  
CORPORATE SOURCE: Unite Biol. Mol., Cent. Rech. Serv. Sante Armees, La  
Tronche, 38702, Fr.  
SOURCE: Journal of Medical Virology (1990), 31(2), 155-60  
CODEN: JMVIDB; ISSN: 0146-6615  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1990:434371 CAPLUS  
DOCUMENT NUMBER: 113:34371  
TITLE: Oxidation of 2-amino-9- $\beta$ -D-ribofuranosylpurine-6-  
sulfenamide to the corresponding 6-sulfonamide  
facilitates changes in biologic characterization that  
include activity against thiopurine-refractory  
experimental leukemia  
AUTHOR(S): Finch, R. A.; Vasquez, K. M.; Hanna, N. B.; Revankar,  
G. R.; Robins, R. K.; Avery, T. L.  
CORPORATE SOURCE: ICN Nucl. Acid Res. Inst., Costa Mesa, CA, 92626, USA  
SOURCE: Cancer Letters (Shannon, Ireland) (1990), 50(1), 63-70  
CODEN: CALEDQ; ISSN: 0304-3835  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1984:448317 CAPLUS  
DOCUMENT NUMBER: 101:48317  
TITLE: Cytological effects of sulfur and selenium purine  
analogs on two transplantable hepatomas and on normal  
renewing cells in mice  
AUTHOR(S): Melvin, Joan B.; Haight, Thomas H.; Leduc, Elizabeth  
H.  
CORPORATE SOURCE: Div. Biol. Med., Brown Univ., Providence, RI, 02912,  
USA  
SOURCE: Cancer Research (1984), 44(7), 2794-8  
CODEN: CNREA8; ISSN: 0008-5472  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1975:471947 CAPLUS  
DOCUMENT NUMBER: 83:71947  
TITLE: Synthesis and biological activity of some  
8-substituted selenoguanosine cyclic 3',5'-phosphates  
and related compounds  
AUTHOR(S): Chu, Shih Hsi; Shiue, Chyng Yann; Chu, Ming Yu  
CORPORATE SOURCE: Div. Biol. Med. Sci., Brown Univ., Providence, RI, USA  
SOURCE: Journal of Medicinal Chemistry (1975), 18(6), 559-64  
CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1975:11023 CAPLUS  
DOCUMENT NUMBER: 82:11023  
TITLE: In vitro antimalarial activity of nucleic acid precursor analogs in the simian malaria Plasmodium knowlesi  
AUTHOR(S): McCormick, Gerald J.; Canfield, Craig J.; Willet, Gloria P.  
CORPORATE SOURCE: Div. Med., Walter Reed Army Inst. Res., Washington, DC, USA  
SOURCE: Antimicrobial Agents and Chemotherapy (1974), 6(1), 16-21  
CODEN: AMACCQ; ISSN: 0066-4804  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1974:409715 CAPLUS  
DOCUMENT NUMBER: 81:9715  
TITLE: Effect of sulfur containing purine nucleosides on the immunological reaction in mice. I. Immunosuppressive effect of several alkylthio, aralkylthio, and thiocyanatopurines and their ribonucleosides  
AUTHOR(S): Sekine, Teruaki; Arai, Yoshiko; Saneyoshi, Mineo  
CORPORATE SOURCE: Virol. Div., Natl. Cancer Cent. Res. Inst., Tokyo, Japan  
SOURCE: Japanese Journal of Experimental Medicine (1973), 43(5), 369-75  
CODEN: JJEMAG; ISSN: 0021-5031  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1973:473616 CAPLUS  
DOCUMENT NUMBER: 79:73616  
TITLE: Antitumor activity of purine nucleoside derivatives  
AUTHOR(S): Nakai, Yushi  
CORPORATE SOURCE: Sch. Med., Tohoku Univ., Sendai, Japan  
SOURCE: Kosankinbyo Kenkyu Zasshi (1972), 24(3), 228-42  
CODEN: KKZAAZ; ISSN: 0368-6078  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L14 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1973:119336 CAPLUS  
DOCUMENT NUMBER: 78:119336  
TITLE: Biochemical actions of 6-selenoguanine and 6-selenoguanosine  
AUTHOR(S): Ross, A. F.; Agarwal, K. C.; Chu, S. H.; Parks, R. E., Jr.  
CORPORATE SOURCE: Div. Biol. Med. Sci., Brown Univ., Providence, RI, USA  
SOURCE: Biochemical Pharmacology (1973), 22(2), 141-54  
CODEN: BCPA6; ISSN: 0006-2952  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1972:560202 CAPLUS  
DOCUMENT NUMBER: 77:160202  
TITLE: Immunosuppression by 9-alkyl-6-thiopurines  
AUTHOR(S): Chalmers, A. H.; Burdorf, Theo; Murray, Andrew W.

CORPORATE SOURCE: Dep. Surg., Univ. Adelaide, Adelaide, Australia  
SOURCE: Biochemical Pharmacology (1972), 21(19), 2662-4  
CODEN: BCPA6; ISSN: 0006-2952  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 19 OF 20 . CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1969:411432 CAPLUS  
DOCUMENT NUMBER: 71:11432  
TITLE: Relation between antitumor activity and chemical  
structure in some derivatives of 2-aminopurine-6-thiol  
AUTHOR(S): Fukuoka, Fumiko; Tokuzen, Reiko; Hoshi, Akio; Egami,  
Fujio; Nagasawa, Kinzo; Kato, Yoshio  
CORPORATE SOURCE: Nat. Cancer Center Res. Inst., Tokyo, Japan  
SOURCE: Gann (1969), 60(2), 187-97  
CODEN: GANNA2; ISSN: 0016-450X  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L14 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1968:103525 CAPLUS  
DOCUMENT NUMBER: 68:103525  
TITLE: Correlation between the antitumor activities and  
chemical structures of thiocyanato derivatives of  
purines and their ribonucleosides  
AUTHOR(S): Saneyoshi, Mineo; Tokuzen, Reiko; Maeda, Mitsukazu;  
Fukuoka, Fumiko  
CORPORATE SOURCE: Nat. Cancer Center Res. Inst., Tokyo, Japan  
SOURCE: Chemical & Pharmaceutical Bulletin (1968), 16(3),  
505-8  
CODEN: CPBTAL; ISSN: 0009-2363  
DOCUMENT TYPE: Journal  
LANGUAGE: English

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NEWS 6 MAY 11 KOREAPAT updates resume  
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2  
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
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NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 14 JUL 14 FSTA enhanced with Japanese patents  
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
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NEWS 6	MAY 11	KOREAPAT updates resume
NEWS 7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS 8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS 9	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS 10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13	JUL 11	CHEMSAFE reloaded and enhanced
NEWS 14	JUL 14	FSTA enhanced with Japanese patents
NEWS 15	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS EXPRESS	JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
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L2 1 L1

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L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:703128 CAPLUS

DOCUMENT NUMBER: 141:236628

TITLE: Compounds and methods for inhibiting Wip1 phosphatase and treating cancer, and screening method

INVENTOR(S): Bulavin, Dmitry; Belova, Galina; Fornace, Albert J.

PATENT ASSIGNEE(S): NIH, Dept. of Health and Human Services, USA

SOURCE: U.S. Pat. Appl. Publ., 15 pp., Cont.-in-part of Appl.

No. PCT/US03/08997.

CODEN: USXXCO

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004167189	A1	20040826	US 2004-800296	20040312
WO 2003083103	A1	20031009	WO 2003-US8997	20030321
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
WO 2005089737	A2	20050929	WO 2005-US8116	20050311
WO 2005089737	A3	20051208		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2002-366883P	P 20020322
			WO 2003-US8997	A2 20030321
			US 2004-800296	A 20040312

=> s guanosinato

L3 5 GUANOSINATO

=> d ibib 1-5

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:675374 CAPLUS

DOCUMENT NUMBER: 127:341053

TITLE: Polyol metal Complexes. Part 27. Bis-diolato antimonates(III) with guanosine as the diol

AUTHOR(S): Klufers, Peter; Mayer, Peter

CORPORATE SOURCE: Institut Anorganische Chemie, Universitat Karlsruhe, Karlsruhe, D-76128, Germany

SOURCE: Zeitschrift fuer Anorganische und Allgemeine Chemie (1997), 623(10), 1496-1498

CODEN: ZAACAB; ISSN: 0044-2313

PUBLISHER: Barth

DOCUMENT TYPE: Journal

LANGUAGE: German

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1991:463289 CAPLUS

DOCUMENT NUMBER: 115:63289

TITLE: Mercury(II)-purine nucleoside complexes: crystal structure of catena-( $\mu$ -bromo)bromo guanosine

mercury(II)  
AUTHOR(S): Quiros Olozabal, M.; Salas Peregrin, J. M.; Sanchez Sanchez, M. P.; Faure, R.  
CORPORATE SOURCE: Dep. Quim. Inorg., Univ. Granada, Granada, 18071, Spain  
SOURCE: Anales de Quimica (1990), 86(5), 518-23  
CODEN: ANQUEX; ISSN: 1130-2283  
DOCUMENT TYPE: Journal  
LANGUAGE: Spanish

L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1991:440673 CAPLUS  
DOCUMENT NUMBER: 115:40673  
TITLE: A new type of divalent metal nucleosidate complex: crystal structure of trans-tetraaquobis(xanthosinato)zinc(II) dihydrate  
AUTHOR(S): Quiros, Miguel; Salas, Juan M.; Sanchez, M. Purificacion; Alabart, Juan R.; Faure, Rene  
CORPORATE SOURCE: Dep. Quim. Inorg., Univ. Granada, Granada, 18071, Spain  
SOURCE: Inorganic Chemistry (1991), 30(14), 2916-21  
CODEN: INOCAJ; ISSN: 0020-1669  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1967:460979 CAPLUS  
DOCUMENT NUMBER: 67:60979  
TITLE: Infrared absorption spectra of guanosine-copper ion complexes  
AUTHOR(S): Drozdov-Tikhomirov, L. N.; Kikoin, L. I.  
SOURCE: Biofizika (1967), 12(3), 407-12  
CODEN: BIOFAI; ISSN: 0006-3029  
DOCUMENT TYPE: Journal  
LANGUAGE: Russian

L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1966:492016 CAPLUS  
DOCUMENT NUMBER: 65:92016  
ORIGINAL REFERENCE NO.: 65:17246d-e  
TITLE: The interaction of silver ion with guanosine, guanosine monophosphate, and related compounds. Determination of possible sites of complexing  
AUTHOR(S): Tu, Anthony T.; Reinos, Jose A.  
CORPORATE SOURCE: Utah State Univ., Logan, UT, USA  
SOURCE: Biochemistry (1966), 5(10), 3375-83  
CODEN: BICHAW; ISSN: 0006-2960  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> d kwic 1-5

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
ST guanosine antimonate complex prepn structure; antimony guanosinato complex prepn structure; crystal structure antimony guanosinato complex; cobalt ammine antimony guanosinato prepn structure  
IT Crystal structure  
Molecular structure  
(of antimony guanosinato complexes)  
IT 118-00-3, Guanosine, reactions  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(for preparation of antimony guanosinato complexes)

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 ST crystal structure mercury guanosine bromo complex; mercury  
 guanosinato inosinato xanthosinato acido complex; nucleoside  
 mercury acido complex

L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 ST crystal structure zinc xanthosinato complex; nucleosidato transition metal  
 complex; xanthosinato transition metal complex; inosinato cobalt nickel  
 complex; guanosinato nickel complex

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT Copper, (guanosinato)-  
 RL: PRP (Properties)  
 (spectrum (ir) of)

L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 118-00-3, Guanosine, silver complex 15697-00-4, 3'-Guanylic acid, silver  
 complex 15707-10-5, Silver, bis(guanosinato)di- 15707-11-6,  
 Silver, bis(dihydrogen 2'-guanylate)di- 15713-94-7, Silver, (  
 guanosinato)- 15713-96-9, Inosine, silver complex 15729-96-1,  
 Silver, bis(inosinato)di- 34523-68-7, Silver, (7-theophyllinato)-  
 94647-73-1, Silver, (dihydrogen 3'-guanylate)- 94647-74-2, Silver,  
 (dihydrogen 2'-guanylate)- 95011-88-4, Silver, (dihydrogen  
 5'-inosinato)-  
 (spectrum of)

=> s mercury and l3  
 170112 MERCURY  
 14 MERCURIES  
 170116 MERCURY  
 (MERCURY OR MERCURIES)  
 L4 1 MERCURY AND L3

=> d ibib

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1991:463289 CAPLUS  
 DOCUMENT NUMBER: 115:63289  
 TITLE: Mercury(II)-purine nucleoside complexes:  
 crystal structure of catena-( $\mu$ -bromo)bromo  
 guanosine mercury(II)  
 AUTHOR(S): Quiros Olozabal, M.; Salas Peregrin, J. M.; Sanchez  
 Sanchez, M. P.; Faure, R.  
 CORPORATE SOURCE: Dep. Quim. Inorg., Univ. Granada, Granada, 18071,  
 Spain  
 SOURCE: Anales de Quimica (1990), 86(5), 518-23  
 CODEN: ANQUEX; ISSN: 1130-2283  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Spanish

=> d kwic

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Mercury(II)-purine nucleoside complexes: crystal structure of  
 catena-( $\mu$ -bromo)bromo guanosine mercury(II)  
 ST crystal structure mercury guanosine bromo complex;  
 mercury guanosinato inosinato xanthosinato acido  
 complex; nucleoside mercury acido complex  
 IT Nucleosides, compounds  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (mercury complexes)  
 IT Crystal structure

Molecular structure

(of mercury bromo guanosine complex)

IT 58-63-9DP, Inosine, mercury complex 146-80-5DP, Xanthosine,  
mercury complex 7439-97-6DP, Mercury, inosine and  
xanthosine complexes 65745-32-6P 134042-21-0P 135024-88-3P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

=> file pctfull

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

18.11

19.22

FILE 'PCTFULL' ENTERED AT 07:40:15 ON 08 AUG 2006

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FILE LAST UPDATED: 8 AUG 2006 <20060808/UP>

MOST RECENT UPDATE WEEK: 200631 <200631/EW>

FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN THIS FILE.

SEE

<http://www.stn-international.de/stndatabases/details/ipc-reform.html> >>>

>>> FOR CHANGES IN PCTFULL PLEASE SEE HELP CHANGE

(last updated April 10, 2006) <<<

>>> NEW PRICES IN PCTFULL AS OF 01 JULY 2006. FOR DETAILS,

PLEASE SEE HELP COST <<<

=> s ?guanosinato

L5 3 ?GUANOSINATO

=> s ?guanosinato?

L6 3 ?GUANOSINATO?

=> d ibib kwic 1-3

L6 ANSWER 1 OF 3

ACCESSION NUMBER:

PCTFULL COPYRIGHT 2006 Univentio on STN

2005002672 PCTFULL ED 20050118 EW 200502

TITLE (ENGLISH):

COMPOSITIONS FOR MANIPULATING THE LIFESPAN AND STRESS  
RESPONSE OF CELLS AND ORGANISMS

TITLE (FRENCH):

COMPOSITIONS POUR LA MANIPULATION DE LA DUREE DE VIE ET  
DE LA REACTION DE STRESS DE CELLULES ET D'ORGANISMES

INVENTOR(S):

SINCLAIR, David, A., 8 Preston Road, West Roxbury, MA  
02132, US [AU, US];

HOWITZ, Konrad, T., - [2014, US];

ZIPKIN, Robert, E., - [2014, US]

PATENT ASSIGNEE(S):

PRESIDENT AND FELLOWS OF HARVARD COLLEGE, 17 Quincy  
Street, Cambridge, MA 02138, US [US, US], for all  
designates States except US;

BIOMOL INTERNATIONAL L.P., 5120 Butler Pike, Plymouth  
Meeting, PA 19462-1202, US [US, US], for all designates  
States except US;

SINCLAIR, David, A., 8 Preston Road, West Roxbury, MA  
02132, US [AU, US], for US only;

HOWITZ, Konrad, T., - [2014, US], for US only;

ZIPKIN, Robert, E., - [2014, US], for US only

AGENT:

CLAUSS, Isabelle, M.\$, Foley Hoag, LLP, 155 Seaport  
Boulevard, Boston, MA 02210\$, US

LANGUAGE OF FILING:

English

LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2005002672	A2	20050113

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO  
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ  
VC VN YU ZA ZM ZW

RW (ARIPO):

BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

RW (EAPO):

AM AZ BY KG KZ MD RU TJ TM

RW (EPO):

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU  
MC NL PL PT RO SE SI SK TR

RW (OAPI):

BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2004-US21465 A 20040701

PRIORITY INFO.:

US 2003-60/483,949 20030701

US 2003-60/532,158 20031223

DETD . . . forth in Tables 1-13 and 22 (compounds for which the ratio to control rate is <1). Another compound is Mercury, (2-hydroxy nitrophenyl) (6-thioguanosinato-N7,S6). The compounds of Tables 1-8 may be obtained from Biomol, Sigma/Aldrich or Indofine.

L6 ANSWER 2 OF 3

ACCESSION NUMBER:

PCTFULL COPYRIGHT 2006 Univentio on STN  
2005002555 PCTFULL ED 20050118 EW 200502

TITLE (ENGLISH):

COMPOSITIONS FOR MANIPULATING THE LIFESPAN AND STRESS  
RESPONSE OF CELLS AND ORGANISMS

TITLE (FRENCH):

COMPOSITIONS PERMETTANT DE MANIPULER LA DUREE DE VIE ET  
LA REACTION AU STRESS DE CELLULES ET D'ORGANISMES

INVENTOR(S):

SINCLAIR, David, A., 8 Preston Road, West Roxbury, MA  
02132, US [US, US]

PATENT ASSIGNEE(S):

PRESIDENT AND FELLOWS OF HARVARD COLLEGE, 17 Quincy  
Street, Cambridge, MA 02138, US [US, US], for all  
designates States except US;  
SINCLAIR, David, A., 8 Preston Road, West Roxbury, MA  
02132, US [US, US], for US only

AGENT:

CLAUSS, Isabelle, M.\$, Foley Hoag LLP, 155 Seaport  
Boulevard, Boston, MA 02210\$, US

LANGUAGE OF FILING:

English

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2005002555	A2	20050113

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO  
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ  
VC VN YU ZA ZM ZW

RW (ARIPO):

BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

RW (EAPO):

AM AZ BY KG KZ MD RU TJ TM

RW (EPO):

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU  
MC NL PL PT RO SE SI SK TR

RW (OAPI):

BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.: WO 2004-US21479 A 20040701  
PRIORITY INFO.: US 2003-60/483,949 20030701  
US 2003-60/532,158 20031223

DETD . . . set forth in Tables 1-13 and 22 (compounds for which theratio to control rate is <1). Another compound is Mercury, (2-hydroxy nitrophenyl) (6-thioguanosinato-N7,S6). The compounds of Tables 1-8 may be obtained from Biomol, Sigma/Aldrich or Indofine.

L6 ANSWER 3 OF 3 PCTFULL COPYRIGHT 2006 Univention on STN  
ACCESSION NUMBER: 2003035843 PCTFULL ED 20030512 EW 200318  
TITLE (ENGLISH): SCREENING SYSTEM FOR MODULATORS OF HER2 MEDIATED  
TRANSCRIPTION AND HER2 MODULATORS IDENTIFIED THEREBY  
TITLE (FRENCH): SYSTEME DE CRIBLAGE DE MODULATEURS DE LA TRANSCRIPTION  
INDUITE PAR HER2 ET MODULATEURS HER2 IDENTIFIES PAR CE  
SYSTEME  
INVENTOR(S): BENZ, Christopher, C., 40 Woodleaf Court, Novato, CA  
94945, US [US, US]  
PATENT ASSIGNEE(S): BUCK INSTITUTE FOR AGE RESEARCH, 8001 Redwood  
Boulevard, Novato, CA 94945, US [US, US], for all  
designates States except US;  
BENZ, Christopher, C., 40 Woodleaf Court, Novato, CA  
94945, US [US, US], for US only  
AGENT: QUINE, Jonathan, Alan\$, Quine Intellectual Property Law  
Group, P.C., P.O. Box 458, Alameda, CA 94501\$, US  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
-----		
WO 2003035843	A2	20030501

DESIGNATED STATES

W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID  
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD  
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC  
NL PT SE SK TR  
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.: WO 2002-US34288 A 20021025  
PRIORITY INFO.: US 2001-60/346,262 20011025  
US 2001-60/335,290 20011130  
US 2002-60/374,161 20020417

DETD . . . (Depsipeptide), MS-275, sodium butyrate,  
sodium phenylbutyrate, Scriptaid, M232, MD85, SAHA, TAN-1746, HC-toxin,  
chlainydocin, VvT-3161, Cly-2, NSC #176328 (Ellipticine),  
6-(3-an-linopropyl)-  
dihydrochloride, and NSC #321237 (Mercury, (4-aminophenyl) (6-  
thioguanosinato-N7,S6)-).

CLMEN. . . A, FR901228

76

(Depsipeptide), MS-275, sodium butyrate, sodium phenylbutyrate,  
Scriptaid, M232,,NM85,  
SAHA, TAN-1746, HC-toxin, chlamydocin, VvF-3161, Cly-2, NSC #176328  
(Ellipticine),

NEWS LOGIN      Welcome Banner and News Items  
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NEWS X25        X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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DICTIONARY FILE UPDATES: 7 AUG 2006 HIGHEST RN 899508-12-4

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10800296.str



6-(3-aminopropyl)-dihydrochloride, and NSC #321237 (Mercury, (4-aminophenyl) (6-thioguanosinato-N7,S6)-).

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.52	29.74

STN INTERNATIONAL LOGOFF AT 07:42:59 ON 08 AUG 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

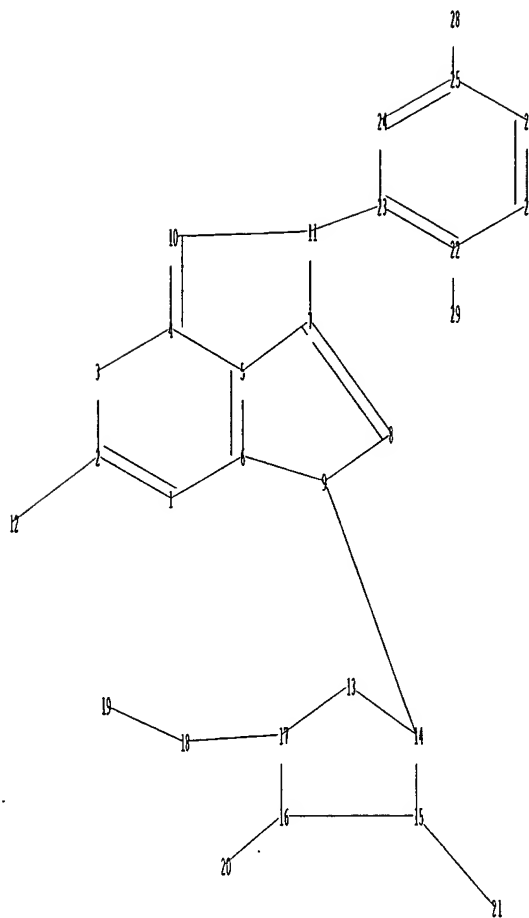
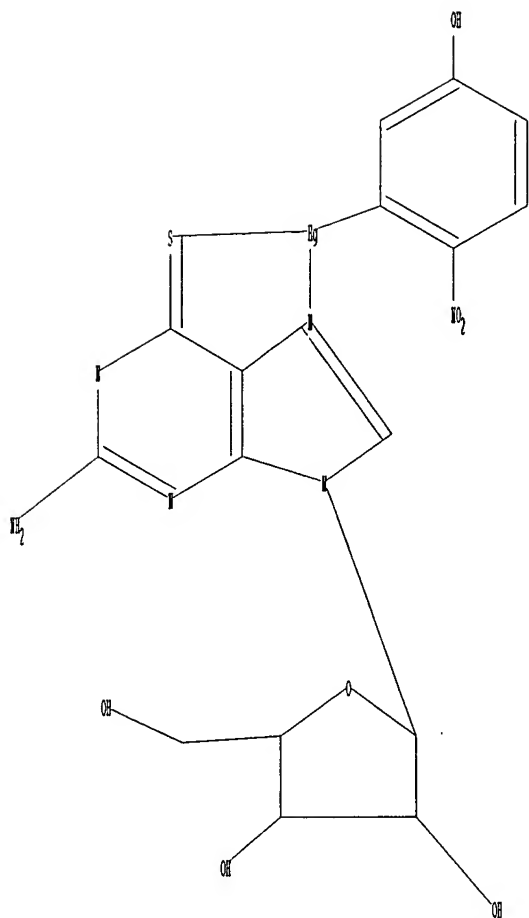
LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 4	APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS 5	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS 6	MAY 11	KOREAPAT updates resume
NEWS 7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS 8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS 9	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS 10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and display fields
NEWS 12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13	JUL 11	CHEMSAFE reloaded and enhanced
NEWS 14	JUL 14	FSTA enhanced with Japanese patents
NEWS 15	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS EXPRESS	JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS		STN Operating Hours Plus Help Desk Availability



```

chain nodes :
12 18 19 20 21 28 29
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 13 14 15 16 17 22 23 24 25 26 27
chain bonds :
2-12 9-14 11-23 15-21 16-20 17-18 18-19 22-29 25-28
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-10 5-6 5-7 6-9 7-8 7-11 8-9 10-11 13-14 13-17
14-15 15-16 16-17 22-23 22-27 23-24 24-25 25-26 26-27
exact/norm bonds :
1-2 1-6 2-3 2-12 3-4 4-5 4-10 5-6 5-7 6-9 7-8 7-11 8-9 9-14 10-11
13-14 13-17 14-15 15-16 15-21 16-17 16-20 18-19 25-28
exact bonds :
11-23 17-18 22-29
normalized bonds :
22-23 22-27 23-24 24-25 25-26 26-27

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:CLASS
29:CLASS

```

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS  
L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> d str  
L1 HAS NO ANSWERS  
'STR ' IS NOT A VALID STRUCTURE FORMAT KEYWORD  
Structure Formats  
SIA ----- Structure Image, Attributes, and map table if it contains  
data. (Default)  
SIM ----- Structure Image.  
SAT ----- Structure ATtributes and map table if it contains data.  
SCT ----- Structure Connection Table and map table if it contains  
data.  
SDA ----- All Structure Data (image, attributes, connection table and  
map table if it contains data).  
NOS ----- NO Structure data.  
ENTER STRUCTURE FORMAT (SIM), NOS:end

=> s l1  
SAMPLE SEARCH INITIATED 08:10:10 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.44	0.65

STN INTERNATIONAL LOGOFF AT 08:10:19 ON 08 AUG 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
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NEWS 6 MAY 11 KOREAPAT updates resume  
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NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2  
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 14 JUL 14 FSTA enhanced with Japanese patents  
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
  
NEWS EXPRESS JUNE 30: CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

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=> file reg

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FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:54:06 ON 08 AUG 2006

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DICTIONARY FILE UPDATES: 7 AUG 2006 HIGHEST RN 899508-12-4

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

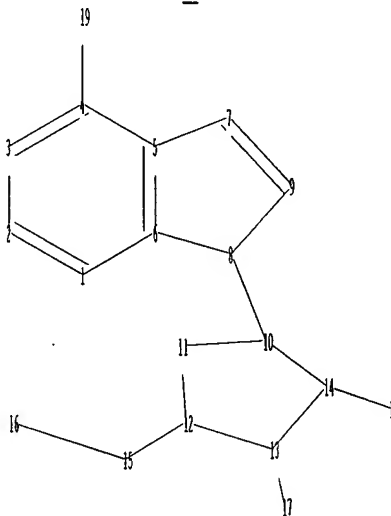
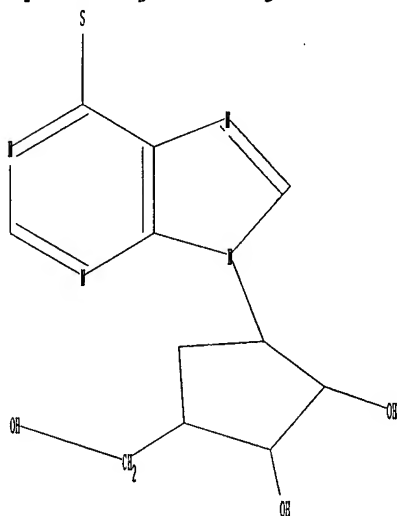
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

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chain nodes :

15 16 17 18 19

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14

chain bonds :

4-19 8-10 12-15 13-17 14-18 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-8 7-9 8-9 10-11 10-14 11-12 12-13 13-14

exact/norm bonds :.

4-19 5-7 6-8 7-9 8-9 8-10 10-11 10-14 11-12 12-13 13-14 13-17 14-18

exact bonds :

12-15 15-16

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

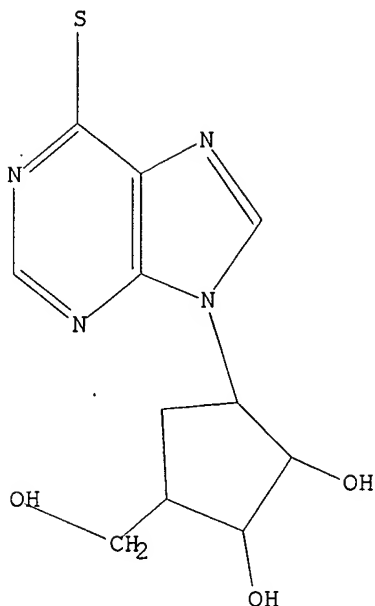
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS  
19:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 08:55:19 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 1 TO 80

PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s fam sam

ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):l1

SAMPLE SEARCH INITIATED 08:55:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L3 0 SEA FAM SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 08:56:06 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 34 TO ITERATE

100.0% PROCESSED 34 ITERATIONS

21 ANSWERS

SEARCH TIME: 00.00.01

L4 21 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS .

SINCE FILE	TOTAL
ENTRY	SESSION
168.26	168.47

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 08:56:18 ON 08 AUG 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 8 Aug 2006 VOL 145 ISS 7

FILE LAST UPDATED: 7 Aug 2006 (20060807/ED)

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<http://www.cas.org/infopolicy.html>

=> s l4

L5 17 L4

=> s l5 not py>2003

3101879 PY>2003

L6 17 L5 NOT PY>2003

=> d hitstr 1-17

L6 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

IT 328396-56-1P

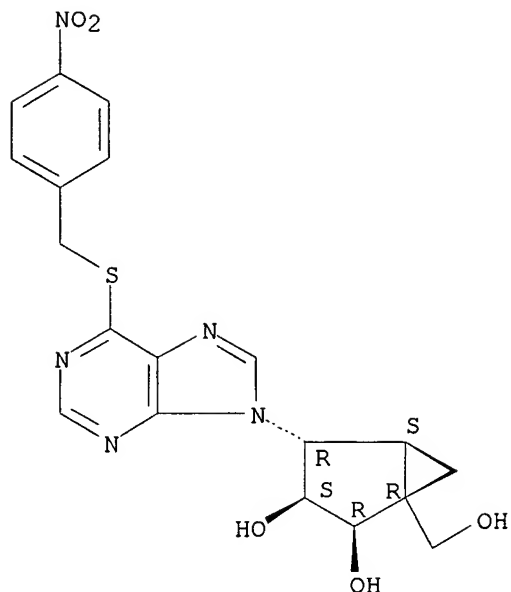
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(synthesis using ring closure metathesis and effect on nucleoside transport of a (N)-methanocarba S-(4-nitrobenzyl)thioinosine derivative)

RN 328396-56-1 CAPLUS

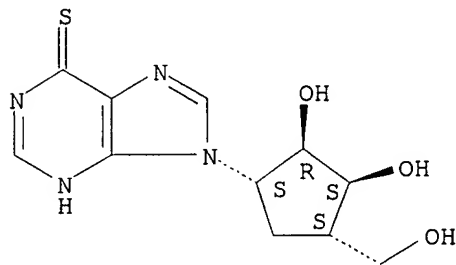
CN Bicyclo[3.1.0]hexane-2,3-diol, 1-(hydroxymethyl)-4-[6-[[4-nitrophenyl)methyl]thio]-9H-purin-9-yl]-, (1R,2R,3S,4R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 16976-09-3P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (chiral synthesis of carbocyclic analogs of L-ribofuranosides  
 (Erratum))  
 RN 16976-09-3 CAPLUS  
 CN 6H-Purine-6-thione, 9-[(1S,2R,3S,4S)-2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-dihydro- (9CI) (CA INDEX NAME)

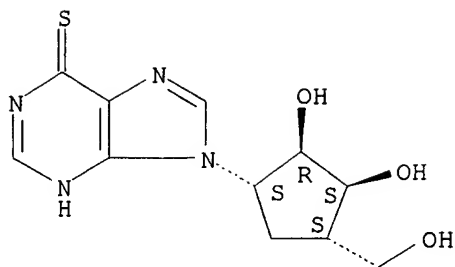
Absolute stereochemistry.



L6 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 16976-09-3P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (chiral synthesis of carbocyclic analogs of L-ribofuranosides)  
 RN 16976-09-3 CAPLUS  
 CN 6H-Purine-6-thione, 9-[(1S,2R,3S,4S)-2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-dihydro- (9CI) (CA INDEX NAME)

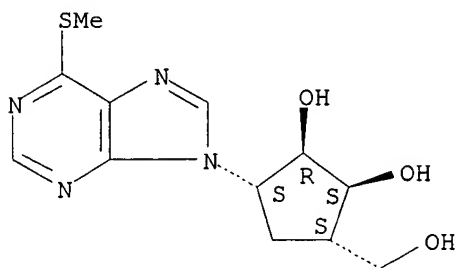
Absolute stereochemistry.



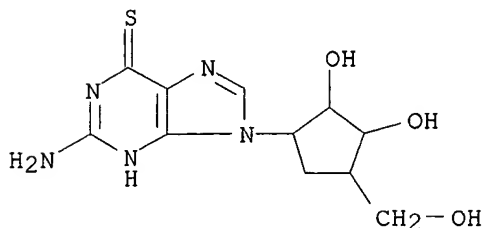


L6 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 49815-33-0  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (isopropylidenation of)  
 RN 49815-33-0 CAPLUS  
 CN 1,2-Cyclopentanediol, 3-(hydroxymethyl)-5-[6-(methylthio)-9H-purin-9-yl]-,  
 (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,5 $\beta$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.



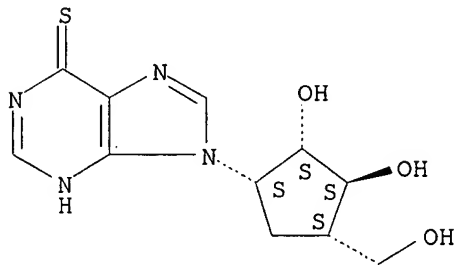
L6 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 114926-45-3  
 RL: BIOL (Biological study)  
 (hepatitis B virus infection treatment with)  
 RN 114926-45-3 CAPLUS  
 CN 6H-Purine-6-thione, 2-amino-9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-  
 1,9-dihydro-, [1R-(1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,5 $\beta$ )]- (9CI) (CA INDEX  
 NAME)



L6 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 78738-53-1, NSC 613804 118333-19-0, NSC 615826  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
 (Uses)  
 (antiviral activity of, against human immunodeficiency virus, structure  
 in relation to)  
 RN 78738-53-1 CAPLUS

CN 6H-Purine-6-thione, 9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-dihydro-, (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ )- (9CI) (CA INDEX NAME)

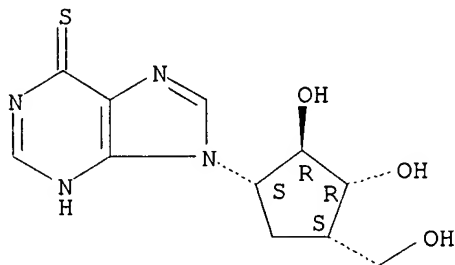
Relative stereochemistry.



RN 118333-19-0 CAPLUS

CN 6H-Purine-6-thione, 9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-dihydro-, (1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,4 $\alpha$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L6 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

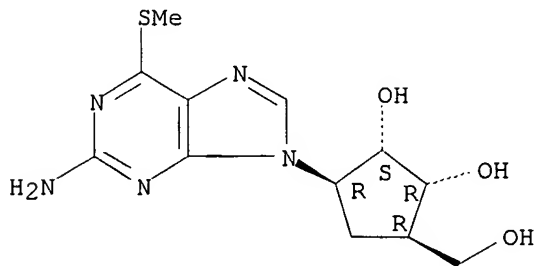
IT 114926-44-2P 114926-45-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of, as antiviral agent)

RN 114926-44-2 CAPLUS

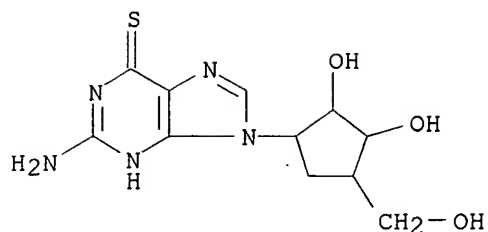
CN 1,2-Cyclopentanediol, 3-[2-amino-6-(methylthio)-9H-purin-9-yl]-5-(hydroxymethyl)-, [1R-(1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,5 $\beta$ )]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



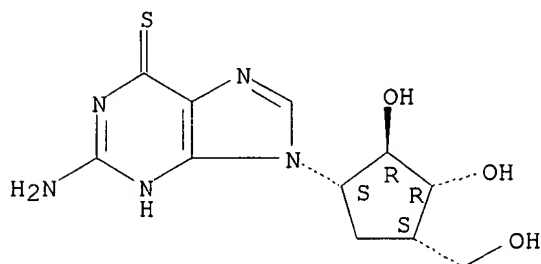
RN 114926-45-3 CAPLUS

CN 6H-Purine-6-thione, 2-amino-9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-dihydro-, [1R-(1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,5 $\beta$ )]- (9CI) (CA INDEX NAME)



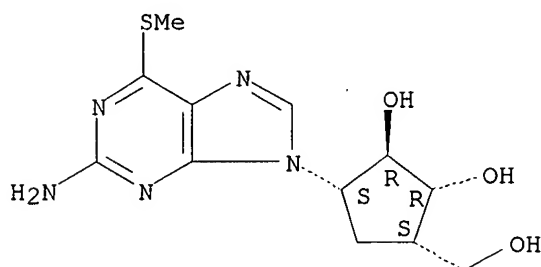
L6 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 108742-14-9P 108813-71-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as antitumor and antiviral agent)  
 RN 108742-14-9 CAPLUS  
 CN 6H-Purine-6-thione, 2-amino-9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-  
 1,9-dihydro-, (1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,4 $\alpha$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.



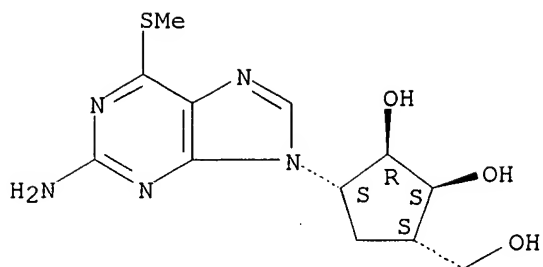
RN 108813-71-4 CAPLUS  
 CN 1,2-Cyclopentanediol, 3-[2-amino-6-(methylthio)-9H-purin-9-yl]-5-  
 (hydroxymethyl)-, (1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,5 $\alpha$ )- (9CI) (CA INDEX  
 NAME)

Relative stereochemistry.



L6 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 88801-89-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and antiviral and antineoplastic activity of)  
 RN 88801-89-2 CAPLUS  
 CN 1,2-Cyclopentanediol, 3-[2-amino-6-(methylthio)-9H-purin-9-yl]-5-  
 (hydroxymethyl)-, (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,5 $\beta$ )- (9CI) (CA INDEX  
 NAME)

Relative stereochemistry.



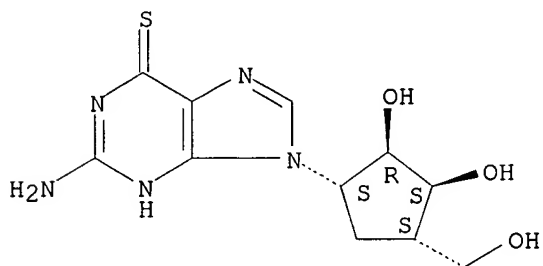
IT 88801-85-8P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 88801-85-8 CAPLUS

CN 6H-Purine-6-thione, 2-amino-9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-  
1,9-dihydro-, (1 $\alpha$ ,2 $\beta$ ,3 $\beta$ ,4 $\alpha$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 88801-86-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); SPN (Synthetic preparation); BIOL (Biological  
study); PREP (Preparation)  
(preparation, antineoplastic activity, and antiviral activity of)

RN 88801-86-9 CAPLUS

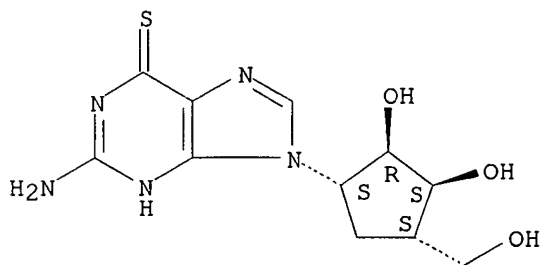
CN 6H-Purine-6-thione, 2-amino-9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-  
1,9-dihydro-, (1 $\alpha$ ,2 $\beta$ ,3 $\beta$ ,4 $\alpha$ )-, sulfate (1:1) (salt)  
(9CI) (CA INDEX NAME)

CM 1

CRN 88801-85-8

CMF C11 H15 N5 O3 S

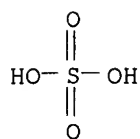
Relative stereochemistry.



CM 2

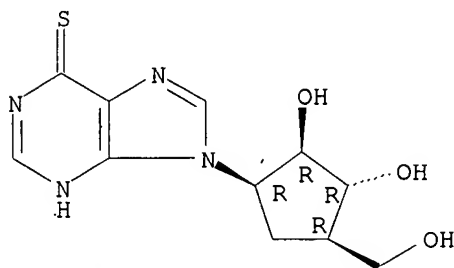
CRN 7664-93-9

CMF H2 O4 S



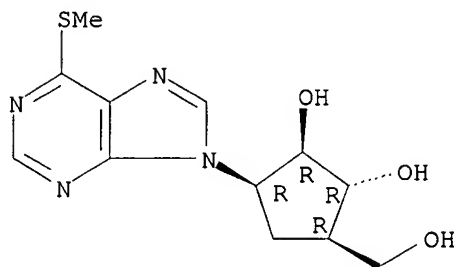
L6 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 86287-59-4P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and methylation of)  
RN 86287-59-4 CAPLUS  
CN 6H-Purine-6-thione, 9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-  
dihydro-, [1R-(1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ )]- (9CI) (CA INDEX  
NAME)

Absolute stereochemistry.



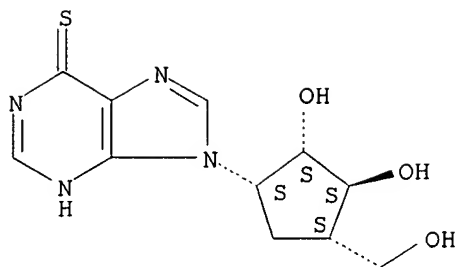
IT 86287-60-7P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 86287-60-7 CAPLUS  
CN 1,2-Cyclopentanediol, 3-(hydroxymethyl)-5-[6-(methylthio)-9H-purin-9-yl]-,  
[1R-(1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,5 $\alpha$ )]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 78738-53-1P 78738-54-2P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 78738-53-1 CAPLUS  
CN 6H-Purine-6-thione, 9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-  
dihydro-, (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ )- (9CI) (CA INDEX NAME)

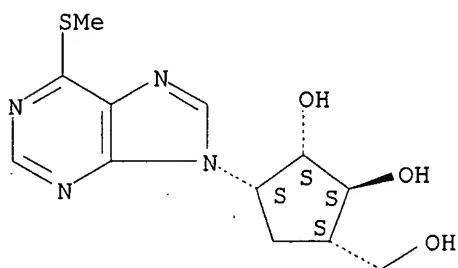
Relative stereochemistry.



RN 78738-54-2 CAPLUS

CN 1,2-Cyclopentanediol, 3-(hydroxymethyl)-5-[6-(methylthio)-9H-purin-9-yl]-,  
(1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,5 $\alpha$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L6 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

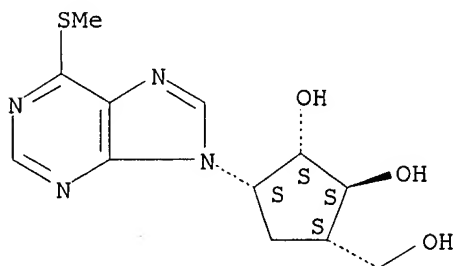
IT 69979-49-3P 86287-59-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 69979-49-3 CAPLUS

CN 1,2-Cyclopentanediol, 3-(hydroxymethyl)-5-[6-(methylthio)-9H-purin-9-yl]-,  
(1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,5 $\alpha$ )- (+)- (9CI) (CA INDEX NAME)

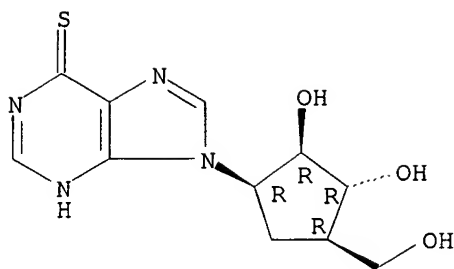
Rotation (+). Absolute stereochemistry unknown.



RN 86287-59-4 CAPLUS

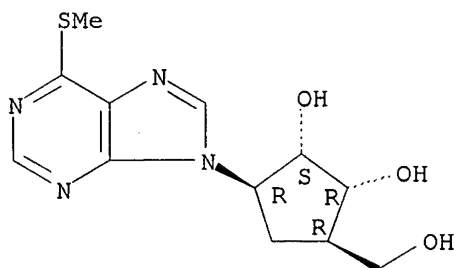
CN 6H-Purine-6-thione, 9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-  
dihydro-, [1R-(1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ )]- (9CI) (CA INDEX  
NAME)

Absolute stereochemistry.



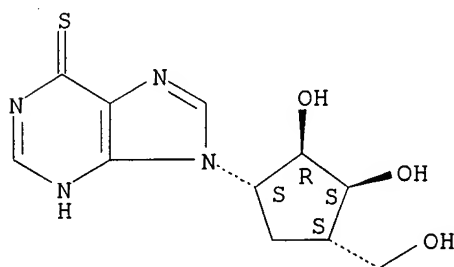
L6 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 16976-10-6  
 RL: BIOL (Biological study)  
 (nucleotide formation response to, in *Schistosoma mansoni*)  
 RN 16976-10-6 CAPLUS  
 CN 1,2-Cyclopentanediol, 3-(hydroxymethyl)-5-[6-(methylthio)-9H-purin-9-yl]-,  
 [1S-(1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,5 $\beta$ )]- (8CI, 9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 16976-09-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 16976-09-3 CAPLUS  
 CN 6H-Purine-6-thione, 9-[(1S,2R,3S,4S)-2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-dihydro- (9CI) (CA INDEX NAME)

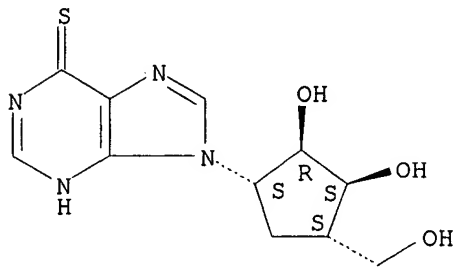
Absolute stereochemistry.



L6 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 16976-09-3 16976-10-6  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
 (Uses)  
 (virucidal activity of)  
 RN 16976-09-3 CAPLUS

CN 6H-Purine-6-thione, 9-[(1S,2R,3S,4S)-2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-1,9-dihydro- (9CI) (CA INDEX NAME)

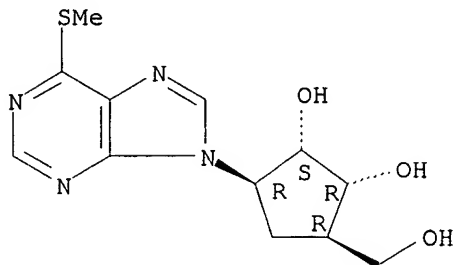
Absolute stereochemistry.



RN 16976-10-6 CAPLUS

CN 1,2-Cyclopentanediol, 3-(hydroxymethyl)-5-[6-(methylthio)-9H-purin-9-yl]-, [1S-(1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,5 $\beta$ )]- (8CI, 9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

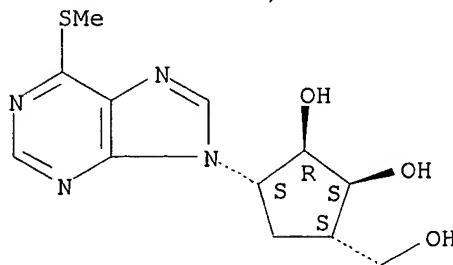
IT 49815-33-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 49815-33-0 CAPLUS

CN 1,2-Cyclopentanediol, 3-(hydroxymethyl)-5-[6-(methylthio)-9H-purin-9-yl]-, (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,5 $\beta$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L6 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

IT 16976-10-6P 24587-88-0P 24613-28-3P

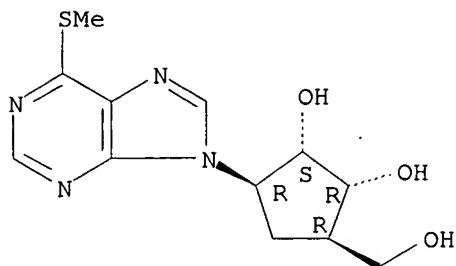
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 16976-10-6 CAPLUS

CN 1,2-Cyclopentanediol, 3-(hydroxymethyl)-5-[6-(methylthio)-9H-purin-9-yl]-, [1S-(1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,5 $\beta$ )]- (8CI, 9CI) (CA INDEX NAME)

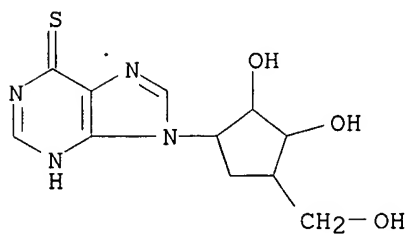


Absolute stereochemistry.



RN 24587-88-0 CAPLUS

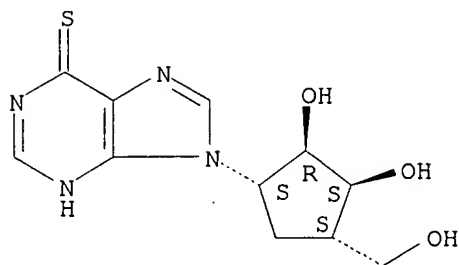
CN 9H-Purine-6(1H)-thione, 9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-  
(8CI) (CA INDEX NAME)



RN 24613-28-3 CAPLUS

CN 9H-Purine-6(1H)-thione, 9-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-,  
monohydrochloride (8CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

=>

=>

Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

43.62

TOTAL

SESSION

212.09